

DAVID KIM

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PROFESSIONAL SUMMARY

Software engineer with quantitative finance background, specializing in data-intensive applications and automation. Track record includes 2,600% portfolio growth through statistical analysis, 75% efficiency improvement via data automation, and development of production AI systems.

PROFESSIONAL EXPERIENCE

cove Atlanta

Frontend Engineer 03/2022 - 10/2025

- Developed an internal International Building Code (IBC) AI chatbot using LlamaIndex Retrieval-Augmented Generation (RAG), enabling architects to extract domain-specific knowledge through conversational queries
- Spearheaded development of an internal BIM data automation tool that reduced COMcheck reporting time from 80 hours to 20 hours, streamlining compliance workflows and improving efficiency by 75%
- Designed and integrated 23 new BIM tools into a 3D architectural modeling platform, including ortho snapping, HVAC zone assignment, and automated energy code data aggregation
- Optimized a large-scale 3D modeling application by refactoring React and Redux code base, boosting rendering performance by 26% and enhancing user experience

Atomic Dev Los Angeles

Frontend Engineer 04/2020 - 10/2020

- Developed a no-code platform that supported SQL schema creation and structured data workflows
- Enhanced user experience by streamlining workflows for data entry, schema management, and visualization tasks

T3 Trading LLC. New York

Proprietary Trader 08/2018 - 05/2019

- Applied quantitative and technical analysis to trade equities, commodities, and currencies, building financial models to project target prices of equities for long/short strategies
- Conducted technology sector research by analyzing economic indicators, industry surveys, and analyst reports to forecast market trends and inform systematic trading decisions

Self-Employed Boston

Cryptocurrency Analyst/Trader 03/2017 - 04/2018

- Grew portfolio from \$25K to \$675K (+2,600%), outperforming the Total Crypto Market Capitalization (+1,384%) through technical analysis, on-chain data analysis, and statistical risk management
- Applied time-series analysis including RSI, Fibonacci retracements, and Bollinger Bands, combined with cross-exchange arbitrage strategies to identify profitable trading opportunities

360 Huntington Fund Boston

Equity Research Analyst 09/2016 - 07/2017

- Covered four equity positions by developing quantitative valuation models (FCFF, DDM, comparables) and analyzing earnings data to deliver ongoing hold/sell recommendations to senior management
- Analyzed the fund's portfolio risk exposure using factor models (beta, size factors) and evaluated overall performance by calculating Sharpe ratio and alpha relative to the fund's benchmark index
- Conducted critical revaluation analyses on LULU (20%+ drawdown) and GOOGL (target price reached), recommending continued holdings that generated 30%+ gains through quantitative modeling and fundamental analysis

EDUCATION

Hack Reactor	Los Angeles
Advanced Software Engineering Immersive	10/2019 - 01/2020
Northeastern University	Boston
Master of Science in Finance	08/2016 - 08/2017
<ul style="list-style-type: none">• Thesis: "The Valuation Effects of Stock Splits and Stock Dividends" - replication study with 2003 - 2017 data• Merit-based Scholarship 2016	
Angelo State University	San Angelo
Bachelor of Business Accounting	01/2011 - 05/2014
<ul style="list-style-type: none">• Dean's List 2012• Member, Phi Theta Kappa Honor Society International, 2011 - 2014• Relevant Coursework: Calculus I & II, Linear Algebra, Statistics	

SKILLS

Programming & Data: Python · JavaScript · TypeScript · SQL (PostgreSQL) · Node.js

Frameworks & Libraries: LlamaIndex · React · Django · Three.js · Redux · React Native

Infrastructure & Tools: AWS · Docker · DataDog · Git · Cypress

VOLUNTEER EXPERIENCE

Vegas Tech Guild	Las Vegas
Founder/Organizer	07/2021 - 02/2022
<ul style="list-style-type: none">• Established an active community of 50+ tech professionals focused on networking, mentorship, and career growth• Partnered with local non-profits to build technology solutions addressing community challenges in Las Vegas	
Hack for LA	Los Angeles
Lead Software Engineer	03/2020 - 07/2020
<p>Hack for LA is a network of civic-minded technologists who contribute their skills toward using the web as a platform for local government and community service.</p> <ul style="list-style-type: none">• Led a team of software engineers in building a civic tech platform that visualized geospatial parking citation data for the City of Los Angeles using Mapbox GL JS• Built scalable back-end architecture (Node.js and PostgreSQL) to support geospatial data analytics and rendering• Collaborated with data scientists to design an interactive map interface with filtering, trend analysis, and heat map capabilities, processing large-scale parking citation datasets to improve public access to parking information	